

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
06868/005002SERIAL NO.  
08/984,900INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)APPLICANT  
D'Apice et al.FILING DATE  
12/04/97GROUP  
1643

(37 CFR 1.98(b))

JUN 2 1998

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
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	AI						
	AJ						
	AK						

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
522	AL	WO 94/21799	29 Sep 94	PCT				
522	AM	WO 94/02616	3 Feb 94	PCT				
522	AN	WO 91/13985	19 Sep 91	PCT				
522	AO	WO 88/07548	6 Oct 88	PCT				
522	AP	WO 93/16729	2 Sep 93	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

522	AQ	Sandrin et al., <u>Proc. Natl. Acad. Sci. USA</u> , 90:11391-11395 (1993)
522	AR	Liu et al., <u>Int. J. Dev. Biol.</u> , 39:639-644 (1995)
522	AS	Matsui et al., <u>Cell</u> , 70:841-847 (1992)

EXAMINER

Shin-Lin Chen

DATE CONSIDERED

3-22-99

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 06868/005002		SERIAL NO. 08/984,900	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 CFR 1.98(b))				APPLICANT D'Apice et al.			
				FILING DATE 12/04/97		GROUP 1643	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
512	BL	WO 92/07581	14 May 92	PCT			
512	BM	WO 90/08188	26 Jul 90	PCT			
512	BN	WO 90/03432	5 Apr 90	PCT			
512	BO	EP 235805	9 Sep 87	Europe			
512	BP	PL 7854	11 Oct 94	Australia			
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
512	BQ	Sandrin et al., <u>Immunological Reviews</u> , 141:169-190 (1994)-					
512	BR	Gustafsson et al., <u>Immunological Reviews</u> , 141:59-70 (1994)					
512	BS	Galili, <u>Immunology Today</u> , 14:480-482 (1993)					
EXAMINER <i>Shin-Lin Chen</i>				DATE CONSIDERED <i>3-22-99</i>			
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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522	CL	WO 91/19796	26/12/91	PCT			
522	CP	2011784	03/08/90	Canada			
	CN						
	CO						
	CP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
522	CQ	Larsen et al, <u>Proc. Natl. Acad. Sci. USA</u> , 86:8227-8231 (1989)					
522	CR	Fletcher et al., <u>J. of Exp. Medicine</u> , 174:837-845 (1991)					
522	CS	Samal et al., <u>Biochimica et Biophysica Acta</u> , 1260:27-34 (1995)					
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
562	DQ	Willson et al., <u>European J. of Biochem.</u> , 204:21-30 (1992)					
562	DR	Gough et al. <u>Proc. Natl. Acad. Sci.</u> , 85:2623-2627 (1988)					
562	DS	Gearing et al., <u>Nucleic Acids Res.</u> , 16:9857 (1988)					
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	EO						
	EP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
62	EQ	Moreau et al., <u>Nature</u> , 336:690-692 (1988)				<b>RECEIVED</b> <b>JUN 30 1998</b> <b>GROUP 1800</b>	
62	ER	Gearing et al., <u>Bio/Technology</u> , 7:1157-1161 (1989)					
62	ES	Yamamori et al., <u>Science</u> , 246:1412-1416 (1989)					
EXAMINER		shin-Lin chen			DATE CONSIDERED 4-22-99		
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
gic	FQ	Lowe et al., <u>DNA</u> , 8:351-359 (1989)					
gic	FR	Stahl et al., <u>J. Biol. Chem.</u> , 265:8833-8841 (1990)					
gic	FS	Vaughan et al., <u>Transplantation</u> , 58:879-882 (1994)					
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500	GQ	Latinne et al., <u>Immunological Reviews</u> , 141:95-125 (1994)					
500	GR	Soares et al., <u>Transplantation</u> , 57:1003-1009 (1994)					
500	GS	Soares et al., <u>Transplantation</u> , 56:1427-1433 (1993)					
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	HN						
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	HP						
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416	HQ	Gambiez et al., <u>Transplantation</u> , 54:577-583 (1992)					
417	HR	Oriol et al., <u>Transplant International</u> , 7:405-413 (1994)					
418	HS	Hale et al., <u>Blood</u> , 62:873-882 (1983)					
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
966	IQ	Dabkowski et al., <u>Transplant. Proc.</u> , 25:2921 (1993)					
666	IR	Paulson et al., <u>J. Biol. Chem.</u> , 264:17615-17618 (1989)					
666	IS	Joziasse et al., <u>J. Biol. Chem.</u> , 267:5534-5541 (1992)					
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
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	JM						
	JN						
	JO						
	JP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
41c	JQ	Thomas et al., <u>Cell</u> , 51:503-512 (1987)					
46c	JR	Capecchi, <u>Trends in Genetics</u> , 5:70-76 (1989)					
46c	JS	Jung et al., <u>Science</u> , 259:984-987 (1993)					
EXAMINER Shih-Lin Chen				DATE CONSIDERED 3-22-99			
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
400	KQ	Joziassse et al., <u>J. Biol. Chem.</u> , 264:14290-14297 (1989) ..					
400	KR	Brinster et al., <u>Proc. Nat. Acad. Sci. USA</u> , 86:7087-7091 (1989)					
500	KS	Rathjen et al., <u>Cell</u> , 62:1105-1114 (1990)					
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
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LM							
LN							
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LP							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

400	LQ	Galili, <u>The Lancet</u> , pp. 358-60, August 12, 1989
400	LR	Thall et al., <u>Autoimmunity</u> , 10:81-87 (1991)
400	LS	Good et al., <u>Transplant. Proc.</u> , 24:559-62 (1992)
EXAMINER		Shin-Lin Chen
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MO							
MP							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

66	MQ	Galili, <u>Springer Sem. Immunopathol.</u> , 15:155-71 (1993)	<b>RECEIVED</b> <b>JUN 30 1998</b> <b>GROUP 1800</b>
76	MR	Galili, <u>Xeno</u> , 2:84-87 (1994)	
86	MS	Resnick et al., <u>Nature</u> , 359:550-551 (1992)	

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612	NQ	Capecchi, M.R., (ed.), <u>Molecular Genetics of Early Drosophila and Mouse Development</u> pp. 39-44 (Cold Springs Harbor Lab. Press, 1989)					
612	NR	Jaenisch, R., <u>Science</u> , 240:1468-1474 (1988)					
612	NS	Laus, et al., <u>Int. Archs Allergy Appl. Immun.</u> , 85:201-207 (1988)					
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## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

46	OQ	Hendricks, S.P., et al., <u>J. Bio. Chem.</u> , 265:17621-17626 (1990)
46	OR	Platt, J.L., et al., <u>Transplantation</u> , 50:817-822 (1990)
46	OS	Galili, U., et al., <u>J. Bio. Chem.</u> , 263:17755-17762 (1988)

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## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	PL							
	PM							
	PN							
	PD							
	PP							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

612	PQ	Smith, D.F., et al., <u>J. Fed. Am. Soc. Exp. Biol.</u> , 4:A1979 (1990)
502	PR	Hindsgaul, D., et al., <u>J. Bio. Chem.</u> , 266:17858-17862 (1991)
512	PS	Cooper, D.K.C., et al., <u>Transplantation Proceedings</u> , 24:566-571 (1992)
EXAMINER		shin-Lin Chen DATE CONSIDERED 3-22-99

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SUBSTITUTE FORM PTO-1449 (MODIFIED)  INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 CFR 1.98(b))	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 06868/005002	SERIAL NO. 08/984,900
	APPLICANT D'Apice et al.		
	FILING DATE 12/04/97	GROUP 1643	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
QA						
QB						
QC						
QD						
QE						
QF						
QG						
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QI						
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QK						

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
QL							
QM							
QN							
QO							
QP							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

612	QQ	Cooper, D.K.C., et al., <u>Xeno-transplantation</u> , pp. 47-99, 170-178, 312-321, 429-438, 500-510, (Springer-Verlag Berlin Heidelberg, 1991)
	QR	Platt, J.L., et al., <u>Immunology</u> , 3:735-739 (1991)
612	QS	Miyagawa, S., et al., <u>Transplantation Proceedings</u> , 21:520-521 (1989)

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				FILING DATE 12/04/97		GROUP 1643	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	RB						
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	RD						
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	RL						
	RM						
	RN						
	RO						
	RP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
462	RQ	Platt, J.L., et al., <u>Immunology Today</u> , 11:450-456 (1990)					
562	RR	Ware, C.B., et al., <u>Biology of Reproduction (Supplement)</u> , 38:129 (1988)					
662	RS	Piedrahita, J.A., <u>Theriogenology</u> , 29:286 (1988)					
EXAMINER Shin-Lin Chun				DATE CONSIDERED 3-22-99			
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				FILING DATE 12/04/97		GROUP 1643	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	SL						
	SM						
	SN						
	SO						
	SP						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
51	SQ	Thompson, S., et al., <u>Cell</u> , 56:313-321 (1989)					
52	SR	Zimmer, A., et al., <u>Nature</u> , 338:150-153 (1989)					
53	SS	Capecchi, M.R., <u>Science</u> , 244:1288-1292 (1989)					
EXAMINER				DATE CONSIDERED			
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				FILING DATE 12/04/97		GROUP 1643	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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	TK						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	TL						
	TM						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
462	TN	Kidd, V.J., et al., <u>J. Cell Biochem. (Suppl.)</u> , p. 200 (1988)					
	TO						
	TP						
	TQ						
	TR						
EXAMINER Shin-Lin Chen				DATE CONSIDERED 3-22-99			
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